

AMENDMENT

It is respectfully requested that the claims and specification be amended without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 13, lines 12-14 and replace it with the following paragraph:

Figure 4 depicts Table 2, indicating genes that are differentially regulated in Fugetaxis vs. Chemotaxis gradients of SDF-1. Positive values are upregulated in Fugetaxis; Negative values are upregulated in Chemotaxis; $p \leq 0.05$. DEADH disclosed as SEQ ID NO: 1.

Please delete the paragraph on page 13, lines 15-17 and replace it with the following paragraph:

Figure 5 depicts Table 3, indicating genes that are differentially regulated in Chemokinesis vs. Chemotaxis gradients of SDF-1. Positive values are upregulated in Chemotaxis; Negative values are downregulated in Chemotaxis; $p \leq 0.05$. DEADH disclosed as SEQ ID NO: 1.

Please delete the paragraph on page 13, lines 18-20 and replace it with the following paragraph:

Figure 6 depicts Table 4, indicating genes that are differentially regulated in Chemokinesis vs. Fugetaxis gradients of SDF-1. Positive values are upregulated in Fugetaxis; Negative values are downregulated in Fugetaxis; $p \leq 0.05$. DEADH and KDEL disclosed as SEQ ID NOS: 1 and 2, respectively.

Please delete the paragraph on page 13, lines 21-23 and replace it with the following paragraph:

Figure 7 depicts Table 5, indicating genes that are differentially regulated in Medium vs. Chemotaxis gradients of SDF-1. Positive values are upregulated in Chemotaxis; Negative values are downregulated in Chemotaxis; $p \leq 0.05$. DEADH disclosed as SEQ ID NO: 1.

Please delete the paragraph on page 13, lines 24-26 and replace it with the following paragraph:

Figure 8 depicts Table 6, indicating genes that are differentially regulated in Medium vs. Fugetaxis gradients of SDF-1. Positive values are upregulated in Chemotaxis; Negative values are downregulated in Chemotaxis; $p \leq 0.05$. DEADH disclosed as SEQ ID NO: 1.